

Faculty Details

Dept	Name of the faculty, Qualification & IMR number	Current Designation & Date of promotion	Nature of Employment	Details of service in last 5 years					Number of lectures taken/year. Topics covered
				1	2	3	4	5	
				2017	2018	2019	2020	2021	
Microbiology	Dr. Anuradha Makkar MBBS,MD(Micro) IMR No. MIC-187033	Prof & Head 16 Jan 2012	Contract	ACMS	ACMS	ACMS	ACMS	ACMS	Theory- approx 50 hours plus seminars/SDL/Practicals on req. basis Topics- Annexure 2
	Lt. Col. Inam Danish Khan MBBS,MD(Micro) DNB IMR No. MIC-2316742	Assoc Prof 09 May 2018	Permanent	ACMS	ACMS	ACMS	Command hos- Udhampur	.Command hos- Udhampur .ACMS Aug 21	Theory- approx 12 hours plus seminars/SDL on req. basis Topics- Annexure 2
	Lt. Col. Sudhir Dubey MBBS,MD(Micro) IMR No. MCI 27553	Asst Prof 15 Jun 2020	Permanent	Command hos- Udhampur	Command hos- Udhampur	ACMS	ACMS	ACMS	Theory- approx 04 hours plus seminars/SDL/Practicals on req. basis Topics- Annexure 2
	Dr. Kirtika Panda MBBS,MD(Micro) IMR No. MIC-2280221	Asst Prof 21 Sept. 2021	Adhoc	NDMC	NDMC	NDMC	SCB Cuttack	ACMS	Theory- approx 18 hours plus seminars/SDL/Practicals on req. basis AETCOM classes 02 hrs Topics- Annexure 2
	Sanjay Singh Kaira MSc Medical Micro IMR No. MIC-2252929	Tutor 03 Nov. 2014	Contract	ACMS	ACMS	ACMS	ACMS	ACMS	Practicals- approx 50 hours plus seminars/SDL on req. basis Topics- Annexure 2

Dr. Anuradha Makkar (Prof & Head)

1. Introduction & History of Microbiology
2. Classification & Morphology of bacteria
3. Growth & Nutrition of bacteria
4. Sterilisation & Disinfection
5. Pathogenesis of Infectious diseases
6. Antibody
7. Antigen- Antibody reactions
8. Overview of viral infections
9. Lab diagnosis of viral infections
10. Overview of fungal infections
11. Lab diagnosis of fungal infections
12. Microbial causes of Anaemia
13. Malaria
14. Filariasis
15. Leishmaniasis
16. Systemic mycosis
17. Candidiasis
18. Sore throat
19. Streptococcal infections
20. Diphtheria
21. Zygomycosis
22. Pneumococcal pneumonia
23. Aspergillosis
24. Non tubercular Mycobacteria
25. Rheumatic Heart diseases
26. Viral gastroenteritis
27. Food poisoning & Bacillus cereus
28. Clostridium
29. Meningitis

30. Meningococcus
31. Arboviral Encephalitis & Nipah
32. Cryptococcal meningitis
33. UTI & CAUTI
34. Genitourinary infections & causes of STD
35. Gonorrhoea & NGU
36. Trichomonas vaginalis
37. Prion diseases
38. Staphylococcus
39. Superficial fungal infections
40. Zoonotic infections
41. Hospital associated infections
42. Hospital infection control
43. Miscellaneous viral infections

Lt. Col. I D Khan (Assoc Professor)

1. Diarrhoea & Dysentery
2. Enterobacteriaceae
3. Cholera
4. Intestinal Nematodes
5. Poliomyelitis
6. Syphilis
7. HIV
8. Coronaviruses including COVID-19

Lt. Sudhir Dubey (Assis. Professor)

1. Investigation of an outbreak
2. Organism with oncogenic potential
3. Rabies

Dr. Kirtika Panda (Assis. Professor)

1. Amoebiasis
2. Cestodes
3. Parasites affecting brain
4. Congenital infections
5. Miscellaneous causes of STD
6. Herpes
7. Leprosy
8. Poxvirus, Varicella zoster & HHV-8
9. Bone & soft tissue infections
10. Subcutaneous fungal infections
11. Pseudomonas & Meliodosis
12. Bacteriology of air & water
13. Infection in the immunocompromised patient
14. Emerging & Re-emerging infections
15. Needle stick injury
16. Transplant infections
17. Actinomycetes & Nocardia

Sanjay Singh Kaira (Tutor)- Practicals

1. Microscopy
2. Gram Staining
3. Visit to CSSD
4. Demo.- sterilisation spots
5. Culture media
6. Antimicrobial sensitivity testing
7. Colony morphology
8. Sample collection, transport & processing
9. Immunoprophylaxis & Demo. of vaccines
10. Demo.- Slide culture and fungal culture

11. Demo.of slides- Malaria & Kala azar
12. Streptococcus
13. Candida
14. Albert Stain
15. ZN staining
16. Bacteriophage
17. Demo. of fungal slides
18. Salmonella
19. Shigella
20. Examination of Normal stool
21. Pathological finding in stool
22. Serology of viral hepatitis
23. E. coli
24. Klebsiella
25. HIV serology
26. Staphylococcus
27. Pseudomonas
28. Proteus
29. Rational use of Microbiological investigation
30. Hand hygiene
31. PPE

SDL/ Seminar/Projects

1. Monoclonal antibodies
2. Normal flora
3. Antimicrobial stewardship
4. Trypanosomiasis
5. Babesia & Blotting techniques
6. Schistosomiasis & Chemiluminescence
7. Atypical pneumonia
8. Mycoplasma

9. Chlamydomphila
10. Legionella
11. HACEK
12. Paragonimiasis & other trematodes
13. Giardiasis
14. Balantidiasis
15. Intestinal coccidian parasites
16. Non- sporing anaerobes
17. Listeria
18. Dracunculus medinensis
19. Larva migrans
20. Campylobacter
21. Heliobacter
22. Miscellaneous bacteria (Zig saw)
23. Bioterrorism

Topics taken by other faculty (Those who have left ACMS in 2021)

1. Bacterial genetics
2. Mechanism of drug resistance
3. Complement system
4. Biomedical waste management
5. Immunity
6. Immunology & Anatomy of Immune response
7. Antigen, SuperAg & Heterophile Ag
8. Immune response
9. Hypersensitivity reactions
10. Autoimmunity
11. Immunodeficiency
12. Molecular diagnosis of infectious diseases
13. Lab diagnosis of bacterial infections
14. Overview of parasitic infections

15. Lab diagnosis of parasitic infections
16. PUO & septicaemia
17. Enteric fever
18. Rickettsia & Borrelia
19. Viral haemorrhagic fever including Dengue
20. VAP & LRTI
21. Haemophilus, Bordetella & Brucella
22. Viral URTI
23. Orthomyxoviruses
24. Paramyxoviruses
25. Lab diagnosis of Myobacterium tuberculosis

Practical topics

1. Biosafety
2. Hanging drop
3. Biochemical reactions

AETCOM- 10 hours

